

B.A. in Biology, Biological Education concentration (Teacher Preparation-Biology) – four-year graduation plan

*This is an example of a four-year graduation plan for a degree in Biology, Biological Education concentration (Teacher Preparation-Biology). Courses marked with * are electives within the major; other choices are available.*

To be licensed to teach in secondary schools with a Biology endorsement, students must be accepted to the College of Education's [Teacher Preparation](#) program, and complete their requirements (included in this plan).

Year 1

Autumn

BIOB 160N/161N—Principles Living Systems/Lab (4)
CHMY 121N—Intro to General Chemistry (4)
! M 162—Applied Calculus (4) [*or M 171 Calculus I*]
! WRIT 101—College Writing I (3)
Total: 15 credits

Spring

BIOB 170N/171N—Biological Diversity/Lab (5)
CHMY 123/124—Organic & Biochemistry/Lab (6)
General Education Requirement (3)
Elective (1)
Total: 15 credits

Year 2

Autumn

BIOB 260—Cell and Molecular Biology (4)
BIOM 360/361—General Microbiology/Lab (5)
CHMY 485—Laboratory Safety (1)
Intermediate Writing Course (3)
General Education Requirement (3)
Total: 16 credits

Spring

BIOB 272—Genetics and Evolution (4)
*NASX 105H—Intro to Native American Studies (3)
STAT 216—Intro to Statistics (4)
General Education Requirement (3)
Total: 14 credits

Year 3

Autumn

BIOE 370/371—General Ecology/Lab (5)
EDU 202—Early Field Experience (1)
EDU 221—Educational Psychology (3)
EDU 345—Exceptionality & Classroom Manag. (3)
EDU 370—Integrating Tech into Education (3)
Total: 15 credits

Spring

*BIOB 435—Comparative Animal Physiology (3)
*BIOO 433/434—Plant Physiology/Lab (4)
*ERTH 101N—Earth System Sciences (3)
EDU 360—Promoting Wellbeing P-12 (2)
General Education Requirement (3)
Total: 15 credits

Year 4

Autumn

PHSX 205N/206N—College Physics I/Lab (5)
EDU 395—Field Experience (1)
EDU 407E—Ethics and Policy Issues (3)
EDU 481—Content Area Literacy (3)
EDU 497—Methods: 5 – 12 Science (3)
Total: 15 credits

Spring

EDU 494—Professional Portfolio (1)
EDU 495—Student Teaching: Secondary (14)
Total: 15 credits

! Eligibility depends on placement exams

**See [catalog](#) or your advisor for details on alternative course choices.*

9/15/23